SHEET 1 OF 2

FORM POOR ATTORNEY DOCKET NO.: CIS-001CP

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

APPLICANTS:

Schowalter and Slack

SERIAL NO.:

10/822,336

|                |                 |                    |            |            |             | FILING DATE:    |         |              | April 12, 2004 |                  |                        |                          |
|----------------|-----------------|--------------------|------------|------------|-------------|-----------------|---------|--------------|----------------|------------------|------------------------|--------------------------|
|                |                 |                    |            |            |             |                 | GROUP:  |              |                | 1722             |                        |                          |
| <u>,</u>       |                 |                    |            | U.S        | S. PATEN    | ١T              | DOCUM   | ENTS         | ·              |                  | •                      |                          |
| EXAM<br>INIT.  |                 | DOCUMENT NU        | DATE       |            | NAME        |                 |         | CLASS        | SUB<br>CLASS   |                  | ING DATE I<br>ROPRIATE |                          |
| RREA1          |                 | 4,234,554          |            | 11/18/80   |             | Rabenau et al.  |         |              |                |                  |                        |                          |
| RK             | RK A2 5,858,085 |                    | 01/12/1999 |            | Arai et al. |                 |         |              |                |                  |                        |                          |
| RK             | А3              | 5,858,086          |            | 01/12/1999 |             | Hunter          |         |              |                |                  |                        |                          |
| RK             | A4              | 5,909,036          |            | 06/01/1999 |             | Tanaka et al.   |         |              |                |                  |                        |                          |
| RK             | A5              | 5,972,109          | 10/26/1999 |            |             | unter           |         |              |                |                  |                        |                          |
| RK             | A6              | 6,001,748          |            | 06/04/1997 |             | Tanaka et al.   |         |              |                |                  |                        |                          |
| RK             | Α7              | 6,045,612          |            | 04/04/2000 |             | Hunter          |         |              |                |                  |                        |                          |
| RK             | A8              | 6,048,813          |            | 04/11/2000 |             | Hunter          |         |              |                |                  |                        |                          |
| RK             | А9              | 6,063,185          |            | 05/16/2000 |             | Hunter          |         |              |                |                  |                        |                          |
| RK.            | A10             | 6,086,672          |            | 07/11/2000 |             | Н               | Hunter  |              |                |                  |                        | •                        |
| RK             | All             | 6,187,089          |            | 02/13/2001 |             | Phillips et al. |         |              |                |                  |                        |                          |
| RK             | All             | 6,296,956          |            | 10/02/2001 |             | Hunter          |         |              |                |                  |                        |                          |
|                |                 |                    | F          | ORE        | IGN PAT     | E               | NT DOCU | JMENTS       | S              |                  |                        |                          |
| EXAM.<br>INIT. |                 | DOCUMENT<br>NUMBER | DATE       | COUNTRY    |             | Y               | CLASS   | SUB<br>CLASS | FILING<br>DATE | ABSTRACT<br>ONLY |                        | ENGLISH<br>LANG<br>(Y/N) |
| RK             | ВІ              | 2000-154090        | 06/200     | 0 JP       |             |                 |         |              |                | YES              |                        | N                        |
| RK             | B2              | 02 018379A         | 01/22/     | 1990       | ЛР          |                 |         |              |                | YES              |                        | N                        |
| EXAMINER       |                 |                    |            |            |             | DATE CONSIDERED |         |              |                |                  |                        |                          |

|   |  |   |                                | SHEET 2 OF 2         |  |  |  |
|---|--|---|--------------------------------|----------------------|--|--|--|
| FORM P  | TO -   | 1449  | ATTORNEY DOCKET NO.: CIS-001CP |                      |  |  |  |
|   |  | TAL INFORMATION   | APPLICANTS:                    | Schowalter and Slack |  |  |  |
| DISCLO  | SUKE   | STATEMENT   | SERIAL NO.:                    | 10/822,336           |  |  |  |
|   |  |   | FILING DATE:                   | April 12, 2004       |  |  |  |
|   |  |   | GROUP:                         | 1722                 |  |  |  |
| OTHER ART, JOURNAL ARTICLES, ETC.                     |  |   |                                |                      |  |  |  |
| EXAM.<br>INIT.  | OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) |   |                                |                      |  |  |  |
| RK  | Ci   | Dryburgh, "Estimation of maximum growth rate for aluminum nitride crystals by direct sublimation", J. Crystal Growth 125, 65-68 (1992).   |                                |                      |  |  |  |
| RK  | C2   | A.S. Segal S. Yu, Karpov, Yu. N. Makarov, E.N. Mokhov, A.D. Roenkov, M.G. Ramm, Yu. A. Vodakov, "On mechanisms of sublimination growth of AIN bulk crystals", <i>J. Crystal Growth</i> 211, 68-72 (2000).   |                                |                      |  |  |  |
| RK  | C3   | B. Raghothamachar, W.M. Vetter, M. Dudley, R. Dalmau, R. Schlesser, Z. Sitar, E. Michaels, and J.W. Kolis, "Synchrotron white beam topography characterization of physical vapor transport grown A1N and ammonothermal GaN", J. Crystal Growth 246, 271-280 (2002). |                                |                      |  |  |  |
| RK  | C4   | R. Schlesser, R. Dalmau, and Z. Sitar, "Seeded growth of A1N bulk single crystals by sublimation", J. Crystal Growth 241, 416-420 (2002).   |                                |                      |  |  |  |
| RK  | C5   | L.J. Schowalter, G.A. Slack, J.B. Whitlock, K. Morgan, S.B. Schujman, B. Raghothamachar, M. Dudley, and K.R. Evans, "Fabrication of native, single-crystal AIN substrates", <i>Phys. Stat. Sol.</i> (c), 104, (2003).   |                                |                      |  |  |  |
| RK  | C6   | V. Noveski, R. Schlesser, S. Mahajan, S. Beaudoin, and Z. Sitar, "Growth of A1N crystals on A1N/SiC seeds by A1N powder sublimation in nitrogen atmostphere", MRS Internet J. Nitride Semicond. Res. 9, 2 (2004).   |                                |                      |  |  |  |
| RK  | C7   | V. Noveski, R. Schlesser, S. Mahajan, S. Beaudoin, and Z. Sitar, "Mass transfer in A1N crystal growth at high temperatures", J. Crystal Growth 264, 369-378 (2004).   |                                |                      |  |  |  |
| EXAMINER /Robert Kunemund/ DATE CONSIDERED 05/23/2006 |  |   |                                |                      |  |  |  |
| LIBC/2667594 L  |  |   |                                |                      |  |  |  |

LIBC/2667594.1

|  |        |  | Docket Number (Optional)               | Application Number                        |  |  |  |  |  |  |  |
|--|--------|--|--|---|--|--|--|--|--|--|--|
| TNII                                   |        | AATION DICCI OCUDE CITATION  | 1158.001CIP                            |   |  |  |  |  |  |  |  |
| 1711                                   | FUKIVI | AATION DISCLOSURE CITATION (Use several sheets if necessary)   | Applicant(s) Schowalter et al          |   |  |  |  |  |  |  |  |
|  |        |  | Filing Date                            | Group Art Unit                            |  |  |  |  |  |  |  |
| •EXAMINER<br>INITIAL                   | T      | OTHER DOCUMENTS (Including Author  | r, Title, Date, Pertinent Pages, Etc.) |   |  |  |  |  |  |  |  |
| RK                                     | T      | G.A. Slack and T.F. McNelly, "Growth of High   | Purity AIN Crystals", J. Cryst. Gr     | owth 34, 263 (1976)                       |  |  |  |  |  |  |  |
|  | ı.     |  |  |   |  |  |  |  |  |  |  |
| ~~~                                    | +      | G.A. Slack and T.F. McNelly, "AIN Single Crystals", J. Cryst. Growth 42, 560 (1977)  |  |   |  |  |  |  |  |  |  |
| RK                                     | 2.     |  |  |   |  |  |  |  |  |  |  |
| RK                                     | 3.     | B. Raghothamachar, M.Dudley, J.C. Rojo, K. Morgan, and L.J. Schowalter, "X-ray Characterization of Bulk AIN Single Crystals Grown by the Sublimation Technique", submitted to J. Crystal Growth (2002). Presented at Am. Assoc. Crystal Growth Conference. Seattle, WA, Aug. 2002. |  |   |  |  |  |  |  |  |  |
| ·                                      | +      | S.V. Nagender Naidu and P. Rama Rao, Editors<br>Calcutta, pp. 7-13, (1991).  | s, "Phase Diagrams of Binary Tungs     | sten Alloys, Indian Institute of Metals", |  |  |  |  |  |  |  |
| RK                                     | 4.     | Curcuita, pp. 1 - 25 (122-17)  |  |   |  |  |  |  |  |  |  |
| ************************************** |        | R. Dalmau, B. Raghothamachar, M. Dudley, R. (2004).  | . Schlesser, and Z. Sitar, Materials R | esearch Society Proc. Vol. 798, p. Y2.9.1 |  |  |  |  |  |  |  |
| RK                                     | 5.     |  |  |   |  |  |  |  |  |  |  |
| RK                                     | 1      | B.M. Epelbaum, D. Hofmann, M. Bickermann,  | A. Winnacker, Mater. Sci. Forum 3/     | 89-393, 1445 (2002).                      |  |  |  |  |  |  |  |
|  | 6.     |  |  |   |  |  |  |  |  |  |  |
|  |        | G.A. Slack, J. Whitlock, K. Morgan, and L.J. So  | chowalter, Materials Research Socie    | ety Proc. Vol. 798, p. Y10.74.1 (2004).   |  |  |  |  |  |  |  |
| RK                                     | 7.     |  |  | •   |  |  |  |  |  |  |  |
|  |        |  |  |   |  |  |  |  |  |  |  |
|  |        |  |  |   |  |  |  |  |  |  |  |
|  |        |  | 70.7                                   |   |  |  |  |  |  |  |  |
|  |        |  |  |   |  |  |  |  |  |  |  |
|  |        |  |  |   |  |  |  |  |  |  |  |
|  |        |  |  |   |  |  |  |  |  |  |  |
|  |        |  |  |   |  |  |  |  |  |  |  |
|  |        |  |  |   |  |  |  |  |  |  |  |
|  |        |  |  |   |  |  |  |  |  |  |  |
| XAMINER                                |        | /Robert Kunemund/  | DATE CONSIDERED                        | - / /                                     |  |  |  |  |  |  |  |
|  |        |  | U:                                     | 5/23/2006                                 |  |  |  |  |  |  |  |

P098/REV04

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and

not considered. Include copy of this form with next communication to applicant.